



Fungicide Resistance Management Strategies

*Developed by the CropLife Australia Fungicide Resistance Management Review Group
and industry researchers*

Valid as at 7 June 2017

Crop(s): Apples, Pears

Pest(s): Apple and Pear Scab

Resistance Management Strategy for:

Group 3	(DMI);
Group 7	SDHI (Succinate dehydrogenase inhibitors);
Group 9	(Anilinopyrimidine);
Group 11	(Quinone outside Inhibitor); and
Group U12	(Cell membrane disruption) fungicides.

1. To prevent or delay the onset of resistance to Group 3 fungicides, **DO NOT** apply more than four **Group 3** sprays alone per season.

If more sprays, are required apply a tank mix of a **Group 3** with a **Group 9** or suitable product from **Groups M** or **M1** to **M9**, or apply a registered product containing a combination of a **Group 3** and a **Group 9** fungicide.

2. **DO NOT** apply more than four sprays per season of **Group 9** fungicides (solo products).

DO NOT apply more than four sprays per season of products containing a combination of a **Group 9** and a **Group 3** fungicide and no more than two consecutive applications.

DO NOT apply more than three sprays per season of **Group 7** or **Group 11** fungicides. If two consecutive applications of **Group 7** or **Group 11** fungicides are used, then they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before a **Group 7** or **Group 11** fungicide is used again, either in the current or following season.

Where spray programs include solo **Group 9** products and combination products, the maximum cumulative number of applications is four per season and no more than two consecutive applications.

In locations where resistance has been reported use a Group 9 only in mixture with an effective non cross-resistant scab fungicide.

3. To prevent or delay the onset of resistance to **Group U12**, **DO NOT** apply more than three consecutive sprays of **Group U12**, and no more than a total of six **Group U12** sprays per season.

If more sprays are required, tank mix **Group U12** with a protectant product at the registered rate.

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All previous versions of this strategy are now invalid. Phone: 02 62732733 Email: info@croplife.org.au Website: www.croplife.org.au